Bruhat Bangalore Mahanagara Palike

Excecutive Engineer Project Division Yelahanaka

Name of Work: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Civil Work								
1	**Removing and refixing** stone slabs of drains and pointing in CM (1:3) (P.No-27,I No-5.33, KPWD SR 2018-19)								
	Chamundi Layout			Avg	Avg				
	Main Rd frm arch to End	2	350.00	1.65		1155.00			
	3rd Cross	2	92.00	1.65		303.60			
	4th Cross	2	80.00	1.65		264.00			
		2	31.00	1.65		102.30			
	5th Cross	2	45.00	1.65		148.50			
		2	31.00	1.65		102.30			
	6th Cross	2	35.00	1.65		115.50			
		2	31.00	1.65		102.30			
	7th Cross	2	35.00	1.65		115.50			
		2	31.00	1.65		102.30			
	8th Cross	2	35.00	1.65		115.50			
		2	35.00	1.65		115.50			
	Poojamahalakshmi Layout								
	1st Main Road	2	300.00	1.65		990.00			
	2nd Main Road	2	300.00	1.65		990.00			
	11th Cross	2	50.00	1.65		165.00			
		2	46.00	1.65		151.80			
	10th Cross	2	50.00	1.65		165.00			
		2	46.00	1.65		151.80			
	9th Cross	2	50.00	1.65		165.00			
		2	46.00	1.65		151.80			
	8th Cross	2	50.00	1.65		165.00			
		2	46.00	1.65		151.80			
	7th Cross	2	50.00	1.65		165.00			
		2	46.00	1.65		151.80			
	6th Cross	2	50.00	1.65		165.00			
		2	46.00	1.65		151.80			
	5th Cross	2	50.00	1.65		165.00			
	4th Cross	2	50.00	1.65		165.00			
		2	46.00	1.65		151.80			
	3rd Cross	2	50.00	1.65		165.00			
		2	46.00	1.65		151.80			
	2nd Cross	2	50.00	1.65		165.00			
	1st Cross	2	50.00	1.65		165.00			
		2	46.00	1.65		151.80			
	Krishnanagara								
	Main Road	2	314.00	1.65		1036.20			
	6th Cross	2	82.00	1.65		270.60			
	5th Cross	2	82.00	1.65		270.60			
	Balaji Layout								
	Main Road	2	169.00	1.65		557.70			

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	1st Cross	2	56.00	1.65		184.80			
	2nd Cross	2	56.00	1.65		184.80			
	3rd Cross	2	56.00	1.65		184.80			
	Consider 40%					10593.00			
	Basic Rate	105.00				4237.20	Sqm	111.30	471600.36
	AW6%	6.30							
	Total	111.30							
2	KSRRB 300-1. **Earthwork excavation by manual means for roads**, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(P.No-143 &136 ,I No-19.1&17.4& 17.1,KPWD SR 2018-19) 8km lead= 57+2.0x1.28x8 =77.48								
	Desilt								
	Chamundi Layout								
	Main Rd frm arch to End	2	350.00	Avg 0.52	Avg 0.45	163.80			
	3rd Cross	2	92.00	0.52	0.40	38.27			
	4th Cross	2	80.00	0.52	0.40	33.28			
		2	31.00	0.52	0.40	12.90			
	5th Cross	2	45.00	0.52	0.40	18.72			
		2	31.00	0.52	0.40	12.90			
	6th Cross	2	35.00	0.52	0.40	14.56			
		2	31.00	0.52	0.40	12.90			
	7th Cross	2	35.00	0.52	0.40	14.56			
		2	31.00	0.52	0.40	12.90			
	8th Cross	2	35.00	0.52	0.40	14.56			
		2	35.00	0.52	0.40	14.56			
	Poojamahalakshmi Layout								
	1st Main Road	2	300.00	0.52	0.30	93.60			
	2nd Main Road	2	300.00	0.52	0.30	93.60			
	11th Cross	2	50.00	0.52	0.30	15.60			
		2	46.00	0.52	0.30	14.35			
	10th Cross	2	50.00	0.52	0.30	15.60			
		2	46.00	0.52	0.30	14.35			
	9th Cross	2	50.00	0.52	0.30	15.60			
		2	46.00	0.52	0.45	21.53			
	8th Cross	2	50.00	0.52	0.45	23.40			
		2	46.00	0.52	0.45	21.53			
	7th Cross	2	50.00	0.52	0.45	23.40			
		2	46.00	0.52	0.45	21.53			
	6th Cross	2	50.00	0.52	0.45	23.40			
		2	46.00	0.52	0.45	21.53			
	5th Cross	2	50.00	0.52	0.45	23.40			
	4th Cross	2	50.00	0.52	0.45	23.40			
		2	46.00	0.52	0.45	21.53			
	3rd Cross	2	50.00	0.52	0.45	23.40			
		2	46.00	0.52	0.45	21.53			
	2nd Cross	2	50.00	0.52	0.45	23.40			
	1st Cross	2	50.00	0.52	0.45	23.40			
		2	46.00	0.52	0.45	21.53			
	Krishnanagara								
	Main Road	2	314.00	0.52	0.45	146.95			

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	6th Cross	2	82.00	0.52	0.45	38.38			
	5th Cross	2	82.00	0.52	0.45	38.38			
	Balaji Layout								
	Main Road	2	169.00	0.52	0.45	79.09			
	1st Cross	2	56.00	0.52	0.45	26.21			
	2nd Cross	2	56.00	0.52	0.45	26.21			
	3rd Cross	2	56.00	0.52	0.45	26.21			
	Culvert	42	7.50	2.00	1.10	693.00			
						2038.92	**Cum**	**215.28**	**438937.84**
	Basic Rate	**130.00**							
	Loading, Unloading& Lead	**77.48**							
	AW6%	**7.80**							
	Total	**215.28**							
3	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18,KPWD SR 2018-19)								
	Culvert	42	7.50	2.00	0.15	94.50			
						94.50	**Cum**	**5421.90**	**512369.55**
	Basic Rate	**5115.00**							
	AW6%	**306.90**							
	Total	**5421.90**							
4	KSRB 4-1.6 ; Providing and laying in **position plain cement concrete of Mix 1:2:4** with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. (P.No-13,I No-4.6,KPWD SR 2018-19)								
	PCC								
	Chamundi Layout								
	Main Rd frm arch to End	4	350.00	0.20	0.10	28.00			
	3rd Cross	4	92.00	0.20	0.10	7.36			
	4th Cross	4	80.00	0.20	0.10	6.40			
		4	31.00	0.20	0.10	2.48			
	5th Cross	4	45.00	0.20	0.10	3.60			
		4	31.00	0.20	0.10	2.48			
	6th Cross	4	35.00	0.20	0.10	2.80			
		4	31.00	0.20	0.10	2.48			
	7th Cross	4	35.00	0.20	0.10	2.80			
		4	31.00	0.20	0.10	2.48			
	8th Cross	4	35.00	0.20	0.10	2.80			
		4	35.00	0.20	0.10	2.80			
	Poojamahalakshmi Layout								
	1st Main Road	4	300.00	0.20	0.10	24.00			
	2nd Main Road	4	300.00	0.20	0.10	24.00			
	11th Cross	4	50.00	0.20	0.10	4.00			
		4	46.00	0.20	0.10	3.68			
	10th Cross	4	50.00	0.20	0.10	4.00			
		4	46.00	0.20	0.10	3.68			

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	9th Cross	4	50.00	0.20	0.10	4.00			
		4	46.00	0.20	0.10	3.68			
	8th Cross	4	50.00	0.20	0.10	4.00			
		4	46.00	0.20	0.10	3.68			
	7th Cross	4	50.00	0.20	0.10	4.00			
		4	46.00	0.20	0.10	3.68			
	6th Cross	4	50.00	0.20	0.10	4.00			
		4	46.00	0.20	0.10	3.68			
	5th Cross	4	50.00	0.20	0.10	4.00			
	4th Cross	4	50.00	0.20	0.10	4.00			
		4	46.00	0.20	0.10	3.68			
	3rd Cross	4	50.00	0.20	0.10	4.00			
		4	46.00	0.20	0.10	3.68			
	2nd Cross	4	50.00	0.20	0.10	4.00			
	1st Cross	4	50.00	0.20	0.10	4.00			
		4	46.00	0.20	0.10	3.68			
	Krishnanagara								
	Main Road	4	314.00	0.20	0.10	25.12			
	6th Cross	4	82.00	0.20	0.10	6.56			
	5th Cross	4	82.00	0.20	0.10	6.56			
	Balaji Layout								
	Main Road	4	169.00	0.20	0.10	13.52			
	1st Cross	4	56.00	0.20	0.10	4.48			
	2nd Cross	4	56.00	0.20	0.10	4.48			
	3rd Cross	4	56.00	0.20	0.10	4.48			
	Coping								
	Chamundi Layout								
	Main Rd frm arch to End	4	350.00	0.15	0.075	15.75			
	3rd Cross	4	92.00	0.15	0.075	4.14			
	4th Cross	4	80.00	0.15	0.075	3.60			
		4	31.00	0.15	0.075	1.40			
	5th Cross	4	45.00	0.15	0.075	2.03			
		4	31.00	0.15	0.075	1.40			
	6th Cross	4	35.00	0.15	0.075	1.58			
		4	31.00	0.15	0.075	1.40			
	7th Cross	4	35.00	0.15	0.075	1.58			
		4	31.00	0.15	0.075	1.40			
	8th Cross	4	35.00	0.15	0.075	1.58			
		4	35.00	0.15	0.075	1.58			
	Poojamahalakshmi Layout								
	1st Main Road	4	300.00	0.15	0.075	13.50			
	2nd Main Road	4	300.00	0.15	0.075	13.50			
	11th Cross	4	50.00	0.15	0.075	2.25			
		4	46.00	0.15	0.075	2.07			
	10th Cross	4	50.00	0.15	0.075	2.25			
		4	46.00	0.15	0.075	2.07			
	9th Cross	4	50.00	0.15	0.075	2.25			
		4	46.00	0.15	0.075	2.07			
	8th Cross	4	50.00	0.15	0.075	2.25			
		4	46.00	0.15	0.075	2.07			
	7th Cross	4	50.00	0.15	0.075	2.25			

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	6th Cross	4	46.00	0.15	0.075	2.07			
		4	50.00	0.15	0.075	2.25			
	5th Cross	4	46.00	0.15	0.075	2.07			
	4th Cross	4	50.00	0.15	0.075	2.25			
		4	50.00	0.15	0.075	2.25			
	3rd Cross	4	46.00	0.15	0.075	2.07			
		4	50.00	0.15	0.075	2.25			
	2nd Cross	4	46.00	0.15	0.075	2.07			
	1st Cross	4	50.00	0.15	0.075	2.25			
		4	50.00	0.15	0.075	2.25			
		4	46.00	0.15	0.075	2.07			
	Krishnanagara								
	Main Road	4	314.00	0.15	0.075	14.13			
	6th Cross	4	82.00	0.15	0.075	3.69			
	5th Cross	4	82.00	0.15	0.075	3.69			
	Balaji Layout								
	Main Road	4	169.00	0.15	0.075	7.61			
	1st Cross	4	56.00	0.15	0.075	2.52			
	2nd Cross	4	56.00	0.15	0.075	2.52			
	3rd Cross	4	56.00	0.15	0.075	2.52			
	Culvert								
	Vent Concrete	42	7.50	0.60	0.125	23.63			
	Coping	84	7.50	0.45	0.100	28.35			
	Ramp	84	7.50	0.75	0.125	59.06			
	For Kerb Stone								
	Chamundi Layout								
	Main Rd frm arch to End	2	350.00	0.20	0.10	14.00			
	3rd Cross	2	92.00	0.20	0.10	3.68			
	4th Cross	2	80.00	0.20	0.10	3.20			
		2	31.00	0.20	0.10	1.24			
	5th Cross	2	45.00	0.20	0.10	1.80			
		2	31.00	0.20	0.10	1.24			
	6th Cross	2	35.00	0.20	0.10	1.40			
		2	31.00	0.20	0.10	1.24			
	7th Cross	2	35.00	0.20	0.10	1.40			
		2	31.00	0.20	0.10	1.24			
	8th Cross	2	35.00	0.20	0.10	1.40			
		2	35.00	0.20	0.10	1.40			
	Poojamahalakshmi Layout								
	1st Main Road	2	300.00	0.20	0.10	12.00			
	2nd Main Road	2	300.00	0.20	0.10	12.00			
	11th Cross	2	50.00	0.20	0.10	2.00			
		2	46.00	0.20	0.10	1.84			
	10th Cross	2	50.00	0.20	0.10	2.00			
		2	46.00	0.20	0.10	1.84			
	9th Cross	2	50.00	0.20	0.10	2.00			
		2	46.00	0.20	0.10	1.84			
	8th Cross	2	50.00	0.20	0.10	2.00			
		2	46.00	0.20	0.10	1.84			
	7th Cross	2	50.00	0.20	0.10	2.00			
		2	46.00	0.20	0.10	1.84			

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	6th Cross	2	50.00	0.20	0.10	2.00			
		2	46.00	0.20	0.10	1.84			
	5th Cross	2	50.00	0.20	0.10	2.00			
	4th Cross	2	50.00	0.20	0.10	2.00			
		2	46.00	0.20	0.10	1.84			
	3rd Cross	2	50.00	0.20	0.10	2.00			
		2	46.00	0.20	0.10	1.84			
	2nd Cross	2	50.00	0.20	0.10	2.00			
	1st Cross	2	50.00	0.20	0.10	2.00			
		2	46.00	0.20	0.10	1.84			
	Krishnanagara								
	Main Road	2	314.00	0.20	0.10	12.56			
	6th Cross	2	82.00	0.20	0.10	3.28			
	5th Cross	2	82.00	0.20	0.10	3.28			
	Balaji Layout								
	Main Road	2	169.00	0.20	0.10	6.76			
	1st Cross	2	56.00	0.20	0.10	2.24			
	2nd Cross	2	56.00	0.20	0.10	2.24			
	3rd Cross	2	56.00	0.20	0.10	2.24			
						640.69	Cum	5747.32	3682236.08
	Basic Rate	5422.00							
	AW6%	325.32							
	Total	5747.32							
5	KSRB 5-14: Providing and constructing **load bearing wall** with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. - do - with solid concrete blocks of size 400x150x200mm(I No-5.26.2,P No-27,KPWD SR 2018-19)								
	Chamundi Layout								
	Main Rd frm arch to End	4	350.00		0.40	560.00			
	3rd Cross	4	92.00		0.20	73.60			
	4th Cross	4	80.00		0.20	64.00			
		4	31.00		0.20	24.80			
	5th Cross	4	45.00		0.20	36.00			
		4	31.00		0.20	24.80			
	6th Cross	4	35.00		0.20	28.00			
		4	31.00		0.20	24.80			
	7th Cross	4	35.00		0.20	28.00			
		4	31.00		0.20	24.80			
	8th Cross	4	35.00		0.20	28.00			
		4	35.00		0.20	28.00			
	Poojamahalakshmi Layout								
	1st Main Road	4	300.00		0.20	240.00			
	2nd Main Road	4	300.00		0.40	480.00			
	11th Cross	4	50.00		0.20	40.00			
		4	46.00		0.20	36.80			
	10th Cross	4	50.00		0.20	40.00			
		4	46.00		0.20	36.80			
	9th Cross	4	50.00		0.20	40.00			
		4	46.00		0.20	36.80			

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	8th Cross	4	50.00		0.20	40.00			
		4	46.00		0.20	36.80			
	7th Cross	4	50.00		0.20	40.00			
		4	46.00		0.20	36.80			
	6th Cross	4	50.00		0.20	40.00			
		4	46.00		0.20	36.80			
	5th Cross	4	50.00		0.20	40.00			
	4th Cross	4	50.00		0.20	40.00			
		4	46.00		0.20	36.80			
	3rd Cross	4	50.00		0.20	40.00			
		4	46.00		0.20	36.80			
	2nd Cross	4	50.00		0.20	40.00			
	1st Cross	4	50.00		0.20	40.00			
		4	46.00		0.20	36.80			
	Krishnanagara								
	Main Road	4	314.00		0.40	502.40			
	6th Cross	4	82.00		0.20	65.60			
	5th Cross	4	82.00		0.20	65.60			
	Balaji Layout								
	Main Road	4	169.00		0.40	270.40			
	1st Cross	4	56.00		0.20	44.80			
	2nd Cross	4	56.00		0.20	44.80			
	3rd Cross	4	56.00		0.20	44.80			
						3474.40			
	Add 30% for Building side					1042.32			
						4516.72	**Sqm**	**979.44**	**4423856.24**
	Basic Rate	**924.00**							
	AW6%	**55.44**							
	Total	**979.44**							
6	Providing and Fixing **pre cast covering Slab** made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)								
	Chamundi Layout								
	Main Rd frm arch to End	2	350.00	0.90		630.00			
	3rd Cross	2	92.00	0.90		165.60			
	4th Cross	2	80.00	0.90		144.00			
		2	31.00	0.90		55.80			
	5th Cross	2	45.00	0.90		81.00			
		2	31.00	0.90		55.80			
	6th Cross	2	35.00	0.90		63.00			
		2	31.00	0.90		55.80			
	7th Cross	2	35.00	0.90		63.00			
		2	31.00	0.90		55.80			
	8th Cross	2	35.00	0.90		63.00			
		2	35.00	0.90		63.00			
	Poojamahalakshmi Layout								
	1st Main Road	2	300.00	0.90		540.00			
	2nd Main Road	2	300.00	0.90		540.00			
	11th Cross	2	50.00	0.90		90.00			
		2	46.00	0.90		82.80			
	10th Cross	2	50.00	0.90		90.00			

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	9th Cross	2	46.00	0.90		82.80			
		2	50.00	0.90		90.00			
	8th Cross	2	46.00	0.90		82.80			
		2	50.00	0.90		90.00			
	7th Cross	2	46.00	0.90		82.80			
		2	50.00	0.90		90.00			
	6th Cross	2	46.00	0.90		82.80			
		2	50.00	0.90		90.00			
	5th Cross	2	46.00	0.90		82.80			
	4th Cross	2	50.00	0.90		90.00			
		2	50.00	0.90		90.00			
	3rd Cross	2	46.00	0.90		82.80			
		2	50.00	0.90		90.00			
	2nd Cross	2	46.00	0.90		82.80			
	1st Cross	2	50.00	0.90		90.00			
		2	50.00	0.90		90.00			
		2	46.00	0.90		82.80			
	Krishnanagara								
	Main Road	2	314.00	0.90		565.20			
	6th Cross	2	82.00	0.90		147.60			
	5th Cross	2	82.00	0.90		147.60			
	Balaji Layout								
	Main Road	2	169.00	0.90		304.20			
	1st Cross	2	56.00	0.90		100.80			
	2nd Cross	2	56.00	0.90		100.80			
	3rd Cross	2	56.00	0.90		100.80			
						5778.00	**Sqm**	**2337.00**	**13503186.00**
	Data Rate	**2337.00**							
7	KSRB 5.2 : Providing and constructing **granite / trap / basalt size stone masonry** in foundation with cement mortar, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 cement mortar 1:6 KBS 5.1.13 (I No-5.6,P No-25,KPWD SR 2018-19)								
	Culvert								
		84	7.50	0.60	0.40	151.20			
		84	7.50	0.45	0.40	113.40			
						264.60	**Cum**	**4871.76**	**1289067.70**
	Basic Rate	**4596.00**							
	AW6%	**275.76**							
	Total	**4871.76**							
8	Providing and Fixing pre cast **covering Slab 250mm thick** made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge ,KPWD SR 2018-19								
	Culvert Raft	42	7.50	1.50		472.50			
						472.50	**Sqm**	**5418.00**	**2560005.00**
	Data Rate	**5418.00**							
9	Providing and fixing pre cast solid cement **concrete kerb stones** made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. (I No-5.30,P No-27,KPWD SR 2018-19)								

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Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
Chamundi Layout								
Main Rd frm arch to End	2	350.00			1556.00			
3rd Cross	2	92.00			409.00			
4th Cross	2	80.00			356.00			
5th Cross	2	31.00			138.00			
	2	45.00			200.00			
6th Cross	2	31.00			138.00			
	2	35.00			156.00			
7th Cross	2	31.00			138.00			
	2	35.00			156.00			
8th Cross	2	31.00			138.00			
	2	35.00			156.00			
	2	35.00			156.00			
Poojamahalakshmi Layout								
1st Main Road	2	300.00			1333.00			
2nd Main Road	2	300.00			1333.00			
11th Cross	2	50.00			222.00			
	2	46.00			204.00			
10th Cross	2	50.00			222.00			
	2	46.00			204.00			
9th Cross	2	50.00			222.00			
	2	46.00			204.00			
8th Cross	2	50.00			222.00			
	2	46.00			204.00			
7th Cross	2	50.00			222.00			
	2	46.00			204.00			
6th Cross	2	50.00			222.00			
	2	46.00			204.00			
5th Cross	2	50.00			222.00			
4th Cross	2	50.00			222.00			
	2	46.00			204.00			
3rd Cross	2	50.00			222.00			
	2	46.00			204.00			
2nd Cross	2	50.00			222.00			
1st Cross	2	50.00			222.00			
	2	46.00			204.00			
Krishnanagara								
Main Road	2	314.00			1396.00			
6th Cross	2	82.00			364.00			
5th Cross	2	82.00			364.00			
Balaji Layout								
Main Road	2	169.00			751.00			
1st Cross	2	56.00			249.00			
2nd Cross	2	56.00			249.00			
3rd Cross	2	56.00			249.00			
					14263.00	**Nos**	**432.48**	**6168462.24**
Basic Rate	**408.00**							
AW6%	**24.48**							
Total	**432.48**							

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
10	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. (I No-24.1,P No-180,KPWD SR 2018-19)								
	Chamundi Layout								
	Main Rd frm arch to End	2	350.00		0.35	245.00			
	3rd Cross	2	92.00		0.35	64.40			
	4th Cross	2	80.00		0.35	56.00			
	5th Cross	2	31.00		0.35	21.70			
		2	45.00		0.35	31.50			
	6th Cross	2	31.00		0.35	21.70			
		2	35.00		0.35	24.50			
	7th Cross	2	31.00		0.35	21.70			
		2	35.00		0.35	24.50			
	8th Cross	2	31.00		0.35	21.70			
		2	35.00		0.35	24.50			
		2	35.00		0.35	24.50			
	Poojamahalakshmi Layout								
	1st Main Road	2	300.00		0.35	210.00			
	2nd Main Road	2	300.00		0.35	210.00			
	11th Cross	2	50.00		0.35	35.00			
		2	46.00		0.35	32.20			
	10th Cross	2	50.00		0.35	35.00			
		2	46.00		0.35	32.20			
	9th Cross	2	50.00		0.35	35.00			
		2	46.00		0.35	32.20			
	8th Cross	2	50.00		0.35	35.00			
		2	46.00		0.35	32.20			
	7th Cross	2	50.00		0.35	35.00			
		2	46.00		0.35	32.20			
	6th Cross	2	50.00		0.35	35.00			
		2	46.00		0.35	32.20			
	5th Cross	2	50.00		0.35	35.00			
	4th Cross	2	50.00		0.35	35.00			
		2	46.00		0.35	32.20			
	3rd Cross	2	50.00		0.35	35.00			
		2	46.00		0.35	32.20			
	2nd Cross	2	50.00		0.35	35.00			
	1st Cross	2	50.00		0.35	35.00			
		2	46.00		0.35	32.20			
	Krishnanagara								
	Main Road	2	314.00		0.35	219.80			
	6th Cross	2	82.00		0.35	57.40			
	5th Cross	2	82.00		0.35	57.40			
	Balaji Layout								
	Main Road	2	169.00		0.35	118.30			
	1st Cross	2	56.00		0.35	39.20			
	2nd Cross	2	56.00		0.35	39.20			
	3rd Cross	2	56.00		0.35	39.20			
						2247.00	**Sqm**	**84.80**	**190545.60**
	Basic Rate	**80.00**							
	AW6%	**4.80**							

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Total	84.80							
11	KSRRB M300-14. **Excavation for roadwork in all types of soil** by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 8km lead= (I No-19.14,P No-143,KPWD SR 2018-19)								
	Chamundi Layout								
	3rd Cross	1	92.00	5.50	0.30	151.80			
	4th Cross	1	80.00	5.50	0.30	132.00			
		1	31.00	5.50	0.30	51.15			
	5th Cross	1	45.00	5.50	0.30	74.25			
		1	31.00	5.50	0.30	51.15			
	6th Cross	1	35.00	5.50	0.30	57.75			
		1	31.00	5.50	0.30	51.15			
	7th Cross	1	35.00	5.50	0.30	57.75			
		1	31.00	5.50	0.30	51.15			
	8th Cross	1	35.00	5.50	0.30	57.75			
	Poojamahalakshmi Layout								
	11th Cross	1	50.00	4.50	0.30	67.50			
		1	46.00	4.50	0.30	62.10			
	10th Cross	1	50.00	4.50	0.30	67.50			
		1	46.00	4.50	0.30	62.10			
	9th Cross	1	50.00	4.50	0.30	67.50			
		1	46.00	4.50	0.30	62.10			
	7th Cross	1	50.00	4.50	0.30	67.50			
		1	46.00	4.50	0.30	62.10			
	6th Cross	1	46.00	4.50	0.30	62.10			
	4th Cross	1	50.00	4.50	0.30	67.50			
	3rd Cross	1	50.00	4.50	0.30	67.50			
	Krishnanagara								
	6th Cross	1	82.00	5.50	0.30	135.30			
	5th Cross	1	82.00	5.50	0.30	135.30			
						1779.75	**Cum**	**63.94**	**113797.22**
	Basic Rate	**41.00**							
	Lead	**20.48**							
	AW6%	**2.46**							
	Total	**63.94**							
12	KSRRB 300-58. **Compaction of original ground** by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.(I No-19.64,P No-147,KPWD SR 2018-19)								
	Chamundi Layout								
	3rd Cross	1	92.00	5.50		506.00			
	4th Cross	1	80.00	5.50		440.00			
		1	31.00	5.50		170.50			
	5th Cross	1	45.00	5.50		247.50			
		1	31.00	5.50		170.50			
	6th Cross	1	35.00	5.50		192.50			
		1	31.00	5.50		170.50			
	7th Cross	1	35.00	5.50		192.50			
		1	31.00	5.50		170.50			

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	8th Cross	1	35.00	5.50		192.50			
		1	35.00	5.50		192.50			
	Poojamahalakshmi Layout								
	11th Cross	1	50.00	4.50		225.00			
		1	46.00	4.50		207.00			
	10th Cross	1	50.00	4.50		225.00			
		1	46.00	4.50		207.00			
	9th Cross	1	50.00	4.50		225.00			
		1	46.00	4.50		207.00			
	7th Cross	1	50.00	4.50		225.00			
		1	46.00	4.50		207.00			
	6th Cross	1	46.00	4.50		207.00			
	4th Cross	1	50.00	4.50		225.00			
	3rd Cross	1	50.00	4.50		225.00			
	Krishnanagara								
	6th Cross	1	82.00	5.50		451.00			
	5th Cross	1	82.00	5.50		451.00			
	Basic Rate	**6.00**				**5932.50**	**Sqm**	**6.36**	**37,730.70**
	AW6%	**0.36**							
	Total	**6.36**							

13 Construction of **granular sub-base Grading-V** as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications.(I No-20.5,P No-153,KPWD SR 2018-19)

Chamundi Layout								
3rd Cross	1	92.00	5.50	0.15	75.90			
4th Cross	1	80.00	5.50	0.15	66.00			
	1	31.00	5.50	0.15	25.58			
5th Cross	1	45.00	5.50	0.15	37.13			
	1	31.00	5.50	0.15	25.58			
6th Cross	1	35.00	5.50	0.15	28.88			
	1	31.00	5.50	0.15	25.58			
7th Cross	1	35.00	5.50	0.15	28.88			
	1	31.00	5.50	0.15	25.58			
8th Cross	1	35.00	5.50	0.15	28.88			
	1	35.00	5.50	0.15	28.88			
Poojamahalakshmi Layout								
11th Cross	1	50.00	4.50	0.15	33.75			
	1	46.00	4.50	0.15	31.05			
10th Cross	1	50.00	4.50	0.15	33.75			
	1	46.00	4.50	0.15	31.05			
9th Cross	1	50.00	4.50	0.15	33.75			
	1	46.00	4.50	0.15	31.05			
7th Cross	1	50.00	4.50	0.15	33.75			
	1	46.00	4.50	0.15	31.05			
6th Cross	1	46.00	4.50	0.15	31.05			
4th Cross	1	50.00	4.50	0.15	33.75			
3rd Cross	1	50.00	4.50	0.15	33.75			

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Krishnanagara								
	6th Cross	1	82.00	5.50	0.15	67.65			
	5th Cross	1	82.00	5.50	0.15	67.65			
	Basic Rate	1882.00				889.88	Cum	1994.92	1775229.44
	AW6%	112.92							
	Total	1994.92							
14	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P.No-155,I No-20.18,KPWD SR 2018-19)								
	Chamundi Layout								
	3rd Cross	1	92.00	5.50	0.225	113.85			
	4th Cross	1	80.00	5.50	0.225	99.00			
	5th Cross	1	31.00	5.50	0.225	38.36			
		1	45.00	5.50	0.225	55.69			
	6th Cross	1	31.00	5.50	0.225	38.36			
		1	35.00	5.50	0.225	43.31			
	7th Cross	1	31.00	5.50	0.225	38.36			
		1	35.00	5.50	0.225	43.31			
	8th Cross	1	31.00	5.50	0.225	38.36			
		1	35.00	5.50	0.225	43.31			
	Poojamahalakshmi Layout								
	11th Cross	1	50.00	4.50	0.225	50.63			
		1	46.00	4.50	0.225	46.58			
	10th Cross	1	50.00	4.50	0.225	50.63			
		1	46.00	4.50	0.225	46.58			
	9th Cross	1	50.00	4.50	0.225	50.63			
		1	46.00	4.50	0.225	46.58			
	7th Cross	1	50.00	4.50	0.225	50.63			
		1	46.00	4.50	0.225	46.58			
	6th Cross	1	46.00	4.50	0.225	46.58			
	4th Cross	1	50.00	4.50	0.225	50.63			
	3rd Cross	1	50.00	4.50	0.225	50.63			
	Krishnanagara								
	6th Cross	1	82.00	5.50	0.225	101.48			
	5th Cross	1	82.00	5.50	0.225	101.48			
						1334.81	Cum	2001.28	2671333.56
	Basic Rate	1888.00							
	AW6%	113.28							
	Total	2001.28							
15	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V revision(P.No-158,I No-21.6,KPWD SR 2018-19)Issue rate Dated -01-07-2020								
	Chamundi Layout								
	3rd Cross	1	92.00	5.50		506.00			
	4th Cross	1	80.00	5.50		440.00			

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
		1	31.00	5.50		170.50			
	5th Cross	1	45.00	5.50		247.50			
		1	31.00	5.50		170.50			
	6th Cross	1	35.00	5.50		192.50			
		1	31.00	5.50		170.50			
	7th Cross	1	35.00	5.50		192.50			
		1	31.00	5.50		170.50			
	8th Cross	1	35.00	5.50		192.50			
		1	35.00	5.50		192.50			
	Poojamahalakshmi Layout					0.00			
		1	50.00	4.50		225.00			
	11th Cross	1	46.00	4.50		207.00			
		1	50.00	4.50		225.00			
	10th Cross	1	46.00	4.50		207.00			
		1	50.00	4.50		225.00			
	9th Cross	1	46.00	4.50		207.00			
		1	50.00	4.50		225.00			
	7th Cross	1	46.00	4.50		207.00			
		1	46.00	4.50		207.00			
	6th Cross	1	50.00	4.50		225.00			
	4th Cross	1	50.00	4.50		225.00			
	3rd Cross					0.00			
	Krishnanagara	1	82.00	5.50		451.00			
	6th Cross	1	82.00	5.50		451.00			
	5th Cross					5932.50	Sqm	29.68	176076.60
	Basic Rate	28.00							
	AW6%	1.68							
	Total	29.68							
16	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications (P.No-161,I No-21.7,KPWD SR 2018-19)Issue rate Dated -01-07-2020								
	Chamundi Layout								
	3rd Cross	1	92.00	5.50		506.00			
	4th Cross	1	80.00	5.50		440.00			
		1	31.00	5.50		170.50			
	5th Cross	1	45.00	5.50		247.50			
		1	31.00	5.50		170.50			
	6th Cross	1	35.00	5.50		192.50			
		1	31.00	5.50		170.50			
	7th Cross	1	35.00	5.50		192.50			
		1	31.00	5.50		170.50			
	8th Cross	1	35.00	5.50		192.50			
		1	35.00	5.50		192.50			
	Poojamahalakshmi Layout								
	11th Cross	1	50.00	4.50		225.00			
		1	46.00	4.50		207.00			
	10th Cross	1	50.00	4.50		225.00			
		1	46.00	4.50		207.00			
	9th Cross	1	50.00	4.50		225.00			
		1	46.00	4.50		207.00			

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Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
th Cross	1	50.00	4.50		225.00			
	1	46.00	4.50		207.00			
6th Cross	1	46.00	4.50		207.00			
4th Cross	1	50.00	4.50		225.00			
3rd Cross	1	50.00	4.50		225.00			
Krishnanagara								
6th Cross	1	82.00	5.50		451.00			
5th Cross	1	82.00	5.50		451.00			
Basic Rate	12.00				5932.50	Sqm	12.72	75,461.40
AW6%	0.72							
Total	12.72							

SSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No-160,I No-21.17.6,KPWD SR 2018-19) Issue rate Dated -01-07-2020

Chamundi Layout								
3rd Cross	1	92.00	5.50	0.05	25.30			
4th Cross	1	80.00	5.50	0.05	22.00			
	1	31.00	5.50	0.05	8.53			
5th Cross	1	45.00	5.50	0.05	12.38			
	1	31.00	5.50	0.05	8.53			
16th Cross	1	35.00	5.50	0.05	9.63			
	1	31.00	5.50	0.05	8.53			
17th Cross	1	35.00	5.50	0.05	9.63			
	1	31.00	5.50	0.05	8.53			
18th Cross	1	35.00	5.50	0.05	9.63			
	1	35.00	5.50	0.05	9.63			
Poojamahalakshmi Layout								
11th Cross	1	50.00	4.50	0.05	11.25			
	1	46.00	4.50	0.05	10.35			
10th Cross	1	50.00	4.50	0.05	11.25			
	1	46.00	4.50	0.05	10.35			
9th Cross	1	50.00	4.50	0.05	11.25			
	1	46.00	4.50	0.05	10.35			
7th Cross	1	50.00	4.50	0.05	11.25			
	1	46.00	4.50	0.05	10.35			
6th Cross	1	46.00	4.50	0.05	10.35			
4th Cross	1	50.00	4.50	0.05	11.25			
3rd Cross	1	50.00	4.50	0.05	11.25			
Krishnanagara								
6th Cross	1	82.00	5.50	0.05	22.55			
5th Cross	1	82.00	5.50	0.05	22.55			
					296.63	Cum	6407.70	1900684.01
Basic Rate	6045.00							
AW6%	362.70							
Total	6407.70							

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Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. – do – using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.3 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of elastomeric thermoplastics (waste plastic) (P.No-171,I No-21.78.12,KPWD SR 2018-19) Issue rate dated -01-07-2020.								
Chamundi Layout								
3rd Cross	1	92.00	5.50	0.04	20.24			
4th Cross	1	80.00	5.50	0.04	17.60			
	1	31.00	5.50	0.04	6.82			
5th Cross	1	45.00	5.50	0.04	9.90			
	1	31.00	5.50	0.04	6.82			
7th Cross	1	35.00	5.50	0.04	7.70			
	1	31.00	5.50	0.04	6.82			
9th Cross	1	35.00	5.50	0.04	7.70			
	1	31.00	5.50	0.04	6.82			
11th Cross	1	35.00	5.50	0.04	7.70			
	1	35.00	5.50	0.04	7.70			
Thoolamahalakshmi Layout								
11th Cross	1	50.00	4.50	0.04	9.00			
	1	46.00	4.50	0.04	8.28			
13th Cross	1	50.00	4.50	0.04	9.00			
	1	46.00	4.50	0.04	8.28			
15th Cross	1	50.00	4.50	0.04	9.00			
	1	46.00	4.50	0.04	8.28			
17th Cross	1	50.00	4.50	0.04	9.00			
	1	46.00	4.50	0.04	8.28			
19th Cross	1	46.00	4.50	0.04	8.28			
14th Cross	1	50.00	4.50	0.04	9.00			
13rd Cross	1	50.00	4.50	0.04	9.00			
Krishnanagara								
16th Cross	1	82.00	5.50	0.04	18.04			
15th Cross	1	82.00	5.50	0.04	18.04			
					237.30	Cum	7537.66	1788686.72
Basic Rate	7111.00							
AW6%	426.66							
Total	7537.66							
KSRRB M800-13.**Road Marking with Hot Applied Thermoplastic Compound** with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803(P.No-182,I No-24.15,KPWD SR 2018-19)								
Chamundi Layout								
3rd Cross	2	92.00	0.10		18.40			
4th Cross	2	80.00	0.10		16.00			
	2	31.00	0.10		6.20			
5th Cross	2	45.00	0.10		9.00			
	2	31.00	0.10		6.20			

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Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
8th Cross	2	35.00	0.10		7.00			
7th Cross	2	31.00	0.10		6.20			
15th Cross	2	35.00	0.10		7.00			
Thoolamahalakshmi Layout	2	31.00	0.10		6.20			
11th Cross	2	35.00	0.10		7.00			
10th Cross	2	35.00	0.10		7.00			
9th Cross								
8th Cross	2	50.00	0.10		10.00			
7th Cross	2	46.00	0.10		9.20			
6th Cross	2	50.00	0.10		10.00			
5th Cross	2	46.00	0.10		9.20			
3rd Cross	2	50.00	0.10		10.00			
Krishnanagara	2	46.00	0.10		9.20			
16th Cross	2	46.00	0.10		9.20			
14th Cross	2	50.00	0.10		10.00			
13th Cross	2	50.00	0.10		10.00			
16th Cross	2	82.00	0.10		16.40			
15th Cross	2	82.00	0.10		16.40			
					235.00	Sqm	454.74	106863.90
Basic Rate	429.00							
AW6%	25.74							
Total	454.74							

Administrative Approval
Accorded For ...
Head of A/C ...
CER NO : ..... Dt: ...

Technical Sanction
Accorded For RSSW: Yelahanka
Head of A/C ...P.3801...
CER NO : ...75... Dt: 10-08-2020
CE (YNK)

Total Construction Cost	41886130.14
Towards GST 12%	5026335.62
Tender Premium	2094306.51
Towards DPR & PMC Cost	993000.00
Sub Total	49999772.27
Utility Shifting,Miscellaneous and Rounding off	227.73
GRAND TOTAL	50000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, Data Rates and Issue rates 01-07-2020

Assistant Engineer
Ward No-05
BBMP Bangalore

Asst. Executive Engineer,
Project Division Yelahanka
BBMP Bangalore

Executive Engineer,
Project Division Yelahanka
BBMP Bangalore

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